

5 WHAT IS CLAIMED IS:

1. A speaker diaphragm having a generally cone shape, comprising:
a plurality of projections forming a periodical structure along a
circumferential direction in a slanted area of the speaker diaphragm,
each projection extending radially from a central area to an edge
10 portion and curving along the circumferential direction as the
speaker diaphragm comes near to the edge portion; and

a plurality of recesses formed between the plurality of
projections,

wherein at least one surface is curved in an area from each
15 projection to each recess.

2. A speaker diaphragm according to claim 1, wherein one surface
in an area from each projection to each recess has a bent portion.

20 3. A speaker diaphragm according to claim 1 or 2, wherein the odd
number of projections ~~are~~ are formed as counted along the
circumferential direction, and the projection has a cross section like
a screw propeller.

25 4. ~~A speaker diaphragm according to claim 1, 2 or 3, wherein a~~

5 ~~bottom area of the recess is made thicker than another area.~~

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5. A speaker diaphragm having a general cone shape, the speaker diaphragm having projections and recesses forming a screw propeller shape to give a force along the circumferential direction to air flowing
10 toward a central area of the speaker diaphragm.

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6. A speaker diaphragm according any one of claims 1 to 5, wherein the speaker diaphragm is manufactured by ejection molding of material containing polypropylene as a main composition.
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